

PATENT ABSTRACTS OF JAPAN

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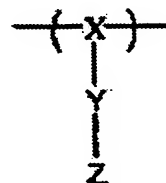
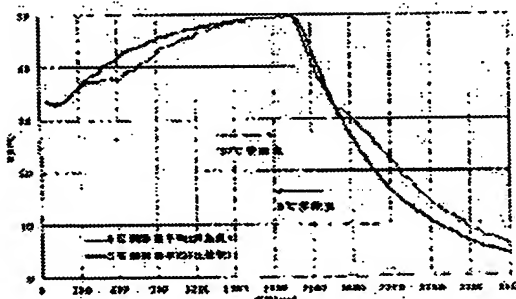
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1) HEAT STORAGE COMPOSITION AND ITS MOLDED ARTICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat storage composition that is easy to process and an excellent heat storage capacity and its molded article.

SOLUTION: The molded article of the heat storage composition comprises compounding a synthetic resin with the following heat storage materials (A)–(C). (A) is composed of the main chain X, a binding section Y and a side chain section Z as shown by formula (1) and is a polymer or an oligomer the main constituent of which is a crystalline unit with a crystalizable side chain Z. (B) is the crosslinked body of a heat storage material (A). (C) is a polymer or an oligomer the main constituent of which is the main chain being a polyether and a unit having a polymerizable side chain. These heat storage materials release or absorb a large amount of latent heat upon phase change (melting/freezing) at a desired temperature range. They functions in a way that when outside temperature rises, they absorb heat and melt and when it goes down, they release heat and freeze.



(1)

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